

COMMUNITY FORM 1: TRANSECT, SITE SURVEY SUMMARY

rev. May, 1998

MA Natural Heritage & Endangered Species Program

A. Identifiers

1.Site name: _____	2.Survey site name: _____
3.Quad name(s) _____	4.Quad code(s): _____
5.County name(s): _____	6.County code(s): _____
7.Town (LOCALJURIS): _____	8.Directions: _____
9.Sourcecode: _____ 10.Survey date _____ 11.State: _____	
12.Surveyors: _____	

B. Topography

13. Transect _____

14.Reconnaissance diagram:	Scale:	
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C. Vegetation / Habitat

15. Observation point 1____	Observation point 2____	Observation point 3____
16. Community name: _____	Community name: _____	Community name: _____
17. Additional data: Site form ____ form 3 ____	Additional data: Site form ____ form 3 ____	Additional data: Site form ____ form 3 ____
18.General description (physiognomy, char./dom spp. of tree, shrub, herb, bryophyte layers)	General description	General description:

Reconnaissance Diagram: Scale:

Observation Point 4 ____	Observation Point 5 ____	Observation Point 6 ____	Observation Point 7 ____
Community name:_____ Additional data: Site form ____ form 3____	Community name:_____ Additional data: Site form____ form 3____	Community name:_____ Additional data: Site form____ form 3____	Community name:_____ Additional data: Site form____ form 3____
General Description:	General Description:	General Description:	General Description:



Natural Heritage &
Endangered Species
Program

Massachusetts Natural Heritage & Endangered Species Program
Division of Fisheries & Wildlife
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FORM 2: NATURAL COMMUNITY SUMMARY AND RANKING

(A location map must accompany this form.)

A. Identifiers:

Community Name (MNHESP: Swain & Kearsley, 2000): _____

TNC/NVCS Association Name (Optional): _____

Survey Date: _____ Today's Date: _____

Survey Site Name: _____

Surveyor Name(s): _____

Best Source (Field survey or secondary source used to complete this form): _____

Transcriber (MNHESP use only. YY-MM-DD XXX): _____

USGS Topo Quad Name: _____ Town Name: _____

Directions to site: _____

_____ GPS Point(s) ____ Yes ____ No

B. Community Description:

Vegetation Description (*EODATA*: **Summarize** the vegetation: dominant and/or characteristic species, indicator species, community structure, variants/microhabitat features, unvegetated surface; spatial distribution (i.e., size, number, and separation distance of patches); intact natural processes, geology, hydrology, topography, and soil properties, especially if relevant to the community identification): _____

_____ Estimated size (acres) _____

Physical Description (*GENDESC*: Describe the landscape surrounding the community, including the natural area. Both within and surrounding the community, describe: physical structures and land use practices; natural disturbances; embedded, adjacent, and nearby natural communities including aquatic features; notable landforms; scenic qualities): _____

Is community within a managed conservation area: _____ Managed Area Name: _____

Evidence of Disturbance/Threats to the Community/Management Recommendations (*MGMTCOM*: Describe the anthropogenic disturbances that have decreased the quality and viability of the community such as hydrologic alterations (ditching, damming, etc.), logging, mining, livestock grazing, plantations, orchards, structures, trampling, and exotic flora or fauna within and surrounding the community. Discuss threats to the site and management implications.): _____

Protection Comments (*PROTCOM*: Comment on the legal protectability of the site): _____

General Comments (*COMMENTS*: Note the type of sampling done observation point (form 1), releve plot (form 3), plant list, etc.; note any additional field work needed. Comment on questionable identification.): _____

Owner's Name: _____ Telephone: (____) _____

Address: _____

Is Owner: aware of community? __yes __no __unknown, protecting community? __yes __no __unknown

Owner Comments (*OWNERCOM*: e.g., contact owner prior to visiting the site): _____

C: Community Element Occurrence Ranking: (Refer to community ranking specifications for assistance.)

Community Size Rank: (Compare relative size to other known occurrences, configuration, patchiness)

A – Excellent **B** – Good **C** – Marginal **D** – Poor

Comments: _____

Community Condition Rank: (Consider development/maturity (e.g., old growth), abiotic condition, species and physiognomic diversity, ecological processes, abundance of exotic species, internal connectivity, degree of anthropogenic disturbance including fragmentation).

– Excellent **B** – Good **C** – Marginal **D** – Poor

Comments: _____

Community Landscape Context Rank: (Consider the size and connectivity of the natural landscape, the position of the community within the landscape, and the landscape condition)

A – Excellent **B** – Good **C** – Marginal **D** – Poor

Comments: _____

Community EO Rank: (What are the long-term prospects for continued existence of this occurrence at the indicated level of quality? A summary of all factors listed above. Explain the basis of your ranking: range wide, state wide, or locally.)

A – Excellent **B** – Good **C** – Marginal **D** – Poor

Comments (*EORANKCOM*: Summarize the above and justify the EO Rank assigned): _____

Other rare species and/or natural communities observed at this site (T/U = Transcribed/Updated?):

	SPECIES OR COMMUNITY	T/U?		SPECIES OR COMMUNITY	T/U?
1			4		
2			5		
3			6		

Form 3: Quantitative Community Characterization

rev. May, 1998

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A. Identifiers (general EOR information)

Sci. name: 1.SNAME: _____		2.GNAME: _____	
3.Site name: _____		4.Survey site name: _____	
5.Quad name(s): _____	6.Quad code(s): _____	7.County name(s): _____	8.County code(s): _____
9.Town (LOCALJURIS): _____		17.State: _____	10.Lat: N _____ 11.Long _____ W
12. Directions: _____ _____ _____ _____			
13.Sourcecode: _____		14.Survey date _____	15.Last obs _____ 16.First obs: _____
18 Surveyors: _____			

B. Environmental Description

19. Transect / Observation point # 22. Topographic position: ___ Interfluvial ___ Backslope ___ High slope ___ Step in slope ___ High level ___ Low slope ___ Midslope ___ Toeslope ___ Low level ___ Channel wall ___ Channel bed ___ Basin floor ___ Other	20. Image annotation # 23. Topographic sketch: 	21. Elevation: 24. Slope degrees: _____ 25. Slope aspect: _____ ----- 26. Parent material:
27. Soil profile description: note depth, texture, and color of each horizon. Note significant changes such as depth to mottling, depth to water table, root penetration depth (SOILCOM) 28. Organic horizon depth: _____ 29. Organic horizon type: _____ 30. Average pH of mineral soil: _____	31. Soil moisture regime: ___ Extremely dry ___ Somewhat wet ___ Very dry ___ Wet ___ Dry ___ Very wet ___ Somewhat moist ___ Moist ___ Permanently inundated ___ Periodically inundated	32. Stoniness: ___ Stone free <0.1% ___ Moderately stony 0.1-1% ___ Stony 3-15% ___ Very stony 15-50% ___ Exceedingly stony 50-90% ___ Stone piles >90%
	33. Soil drainage: ___ Rapidly drained ___ Somewhat poorly ___ Well drained ___ drained ___ Moderately well drained ___ Poorly drained ___ Very poorly drained	34. Average texture: ___ sand ___ clay loam ___ sandy loam ___ clay ___ loam ___ peat ___ silt loam ___ muck other _____
	35. Unvegetated surface: ___ % Bedrock ___ % Large rocks (cobbles, boulders > 10 cm) ___ % Small rocks (gravel, 0.2-10 cm) ___ % Sand (0.1-2 mm) ___ % Bare soil ___ % Litter, duff ___ % Wood (> 1 cm) ___ % Water ___ % Other: _____	
	36. Environmental Comments: vegetation homogeneity, erosion / sedimentation, inundation, etc. 	
	37. Plot representativeness:	

C. Vegetation 38. System: Terrestrial Palustrine Estuarine 39. Plot number: 40. Plot dimensions:

41. Leaf type:	42. Leaf phenology:	43. Physiognomic type:	44.	height	% cover
<input type="checkbox"/> Broad-leaf	<input type="checkbox"/> Deciduous	<input type="checkbox"/> Forest	<input type="checkbox"/> Woodland	<u>T1 Emergent tree</u>	<input type="text"/>
<input type="checkbox"/> Semi-broad-leaf	<input type="checkbox"/> Semi-deciduous	<input type="checkbox"/> Sparse woodland	<input type="checkbox"/> Scrub thicket	<u>T2 Tree canopy</u>	<input type="text"/>
<input type="checkbox"/> Semi-needle-leaf	<input type="checkbox"/> Semi-Evergreen	<input type="checkbox"/> Shrubland	<input type="checkbox"/> Sparse shrubland	<u>T3 Tree sub- canopy</u>	<input type="text"/>
<input type="checkbox"/> Needle-leaf	<input type="checkbox"/> Evergreen	<input type="checkbox"/> Dwarf shrubland	<input type="checkbox"/> Dwarf scrub	<u>S1 Tall shrub</u>	<input type="text"/>
<input type="checkbox"/> Graminoid	<input type="checkbox"/> Perennial	<input type="checkbox"/> Sparse dwarf shrubland	<input type="checkbox"/> thicket	<u>S2 Short shrub</u>	<input type="text"/>
<input type="checkbox"/> Broad-leaf herbaceous	<input type="checkbox"/> Annual	<input type="checkbox"/> Herbaceous	<input type="checkbox"/> Non-vascular	<u>H Herbaceous</u>	<input type="text"/>
<input type="checkbox"/> Pteridophyte		<input type="checkbox"/> Sparsely vegetated		<u>N Non-vascular</u>	<input type="text"/>
				<u>E Epiphyte</u>	<input type="text"/>
				<u>V Vine / liana</u>	<input type="text"/>

[illegible]